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Reviews of Foreign Literature.

Flora of the Hawaiian Islands : A description of their Phanerogams and Vascular Cryptogams. By William Hillebrand, M.D., annotated and published after the author's death by W. F. Hillebrand, (8 vo., pp. 673, four maps and frontispiece. Heidelberg, London and New York, 1888.)

The Sandwich Island Flora, from its great luxuriance and variety and its marked isolation, is one of the most unique and interesting. It has been studied by botanists of several countries, notably by Dr. Gray, in working up the collections of the Wilkes Expedition, and by Horace Mann, who with W. T. Brigham, collected there during parts of two seasons. The present volume, (for a copy of which we are indebted to Mr. W. F. Hillebrand, now of the United States Geological Survey), brings together for the first time complete descriptions of the species. The author spent some twenty years as a successful physician among the Hawaiians, and his leisure time was mainly devoted to the preparation of this work, which is a model of careful and accurate investigation. The number of new species and varieties described is very great. The total number of species included is about 1,000, of which 155 are Pteridophyta. It is believed that of these, 115 have been introduced since the discovery of the islands in 1779, and 24 others introduced by the natives in pre-historic times. But the most interesting fact given among the statistics of the Flora is, that of the 860 native species no less than 653 are endemic.

Botanical Notes.

From the *Bulletin* of Harvard University of May, 1888, in the Records of the Corporation, we quote the following:—

“Meeting of March 26, 1888.—The President, at the request of Mrs. Gray, as executrix of Dr. Asa Gray, announced the bequest of Dr. Gray to the College, as follows:—

“‘I give and devise unto the President and Fellows of Harvard College, in trust, to aid in the support of the Gray Herbarium of Harvard University, all my copyrights of books of which I am the author, upon the condition and obligation that the said President and Fellows shall make proper provision for the re-

newal and extension of these copyrights by new editions, continuations, and supplements, such as may be needed in the study of botany and as may best enhance and prolong the pecuniary value of this bequest.' "

" And it was thereupon *voted*, that Dr. Gray's bequest be gratefully accepted upon the terms named in his will, and that the thanks of the President and Fellows be sent to Mrs. Gray for the kind manner in which she has given notice of the bequest to the Corporation."

" *Voted*, to proceed to the election of a Fisher Professor of Natural History, whereupon, ballots being given in, it appeared that George Lincoln Goodale, A.M., M.D., was elected."

Trypethelium heterochrous (Mont.), Tuck.—A plant of this name has been announced in the Journal of Mycology as new to the United States. Tuckerman would never have been guilty of such a solecism as giving a masculine termination to an adjective qualifying a neuter noun, and he has in fact only referred *Verrucaria heterochrous*, Mont. to *Trypethelium* by implication in his Genera, p. 260. The same plant is mentioned as North American in the supplement to the Introduction to the study of Lichens under the name of *T. Kunzei*, Fée, on the authority of Dr. J. Müller, in his *Pyrenocarpeæ Cubanæ*, p. 390, and he is a good authority.—H. W.

Iris cristata in Ohio.—Dr. Watson writes that he has received this plant from Mr. R. H. Ingraham, of Youngstown, collected in ravines in Trumbull Co., and suggests that it should be found in Western New York as well.

Specimens of Hickories wanted.—Dr. Thomas F. Lucy, of Elmira, N. Y., wishes us to state that he desires specimens of the genus *Carya* from all parts of the United States in flower, fruit and leaf, together with notes as to habitat, size of trees and appearance and characters of the bark, as he intends to make a critical study of the genus.

Index to Recent American Botanical Literature.

Asa Gray, Notice of.—Walter Deane. (Pamphlet pp. 24, Cambridge University Press, 1888). In quoting by pages this must not be confounded with the original reprint from the BULLETIN.